

Appl. No. 09/778,004  
Arndt, Dated November 23, 2004  
Reply to Office action of August 23, 2004  
Attorney Docket No. P13236-US2  
EUS/J/P/04-3278

### REMARKS/ARGUMENTS

#### **Claim Amendments**

The Applicant has amended claims 1, 3, 5-6, 8, 15, 17, 19-20 and 22; claims 2, 14, 16 and 27 have been canceled. Applicant respectfully submits no new matter has been added. Accordingly, claims 1, 3-13, 15, 17-18, and 21-26 are pending in the application. Favorable reconsideration of the application is respectfully requested in view of the foregoing amendments and the following remarks.

#### **Claim Rejections – 35 U.S.C. § 102(e)**

Claims 1-27 stand rejected under 35 U.S.C. § 102(e) as being anticipated by Li et al. (US 6,728,365 hereinafter Li). The Applicant respectfully traverses the rejection of these claims. In order to expedite allowance of this application, the Applicant has canceled claims 2, 14, 16 and 27 without prejudice. Therefore, the rejection with respect to these claims is deemed to be moot. The Applicant has amended claims 1, 3, 5-6, 8, 15, 17, 19-20 and 22 to better define the intended scope of the claimed invention. The Examiner's consideration of the amended claims is respectfully requested.

The Li reference appears to disclose a method and apparatus for extending RSVP signaling to wireless networks. More broadly, Li appears to "...allow a wire line QoS signaling schema to be applied to wireless applications". (summary). The Li reference utilizes the Reservation request protocol RSVP and a RSVP signaling module to map the RSVP QoS to wireless constraints.

The present invention discloses a service broker. The service broker is a wireless agent that contacts a bandwidth broker (wireline) in the wireline network and a geographical domain server in the wireless network to determine resources available in the wireline and wireless networks. The bandwidth broker, which operates in a heuristic and immediate admission mode, performs admission control between a source and a destination including wireless and wireline. In the immediate admission mode the bandwidth broker aggregates individual requests when making requests with neighboring bandwidth brokers thus, requiring that the increased amount of signaling is restricted to the first bandwidth broker. (page 15, lines 12-26)

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The geographic domain server (GDS) is used for mapping geographical locations to a set of wireless access networks and a set of the GDSs are hierarchically organized to provide a directory service (of the geographic domains) to the service brokers. The GDS is used to determine the geographical location of wireless terminals for the reservation system. It is well known that a wireless terminal may be located within a particular cell in a wireless network. However, GDS of the present invention provides for mapping the locations of the wireless terminals and provides a directory service to the service brokers. (page 18, lines 2-16)

Regarding amended claims 1 and 15, Li does not disclose a bandwidth broker, nor does Li disclose a geographic domain broker. Li, as described above, modifies the protocol received from the wireline network to operate in the wireless system. The Applicant amended claims 1 and 15 to include the limitations that more clearly capture the scope of patentability to which the Applicant is entitled.

In the Official Action, a correspondence is drawn between the claimed feature of a geographic domain server and a base station. (see paragraph 8 of the Detailed Action). Applicant has reviewed this cited portion of Li and find no reference to a server that maps the geographical locations of wireless terminals. Instead, the cited portion of Li, refers a base station. The Applicant respectfully asserts that a base station and the geographic domain server are not the same.

A correspondence is also drawn between the Applicant's bandwidth broker and a reservation node described in the Li reference. The Applicant has reviewed this cited portion and the reference appears to state that RSVP or any wireline QoS signaling schema may be used in Li's invention. Additionally, the signaling that takes place between the mobile terminal and the wireline network in the Li reference operates from the wireline network to the wireless network. The Applicant's signaling initiates from the wireline network to the Bandwidth Broker connected to and operating in the backbone of the wireline network. This being the case, the Applicant respectfully requests that the rejection of claim 1 be withdrawn.

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As between Claim 1 and the Li reference, the Applicant submits that independent Claim 15 contains limitations analogous to those found in Claim 1. For the above given reasons the Applicant respectfully requests the withdrawal of the rejection of claim 15.

Claims 3-13 and 17-26 depend from claims 1 and 15 respectively. Since the dependent claims contain the same limitations disclosed in claims 1 and 15, the Applicant respectfully requests the withdrawal of the rejection of these claims.

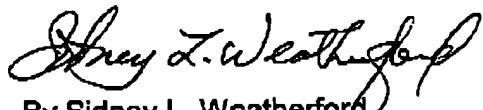
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CONCLUSION

In view of the foregoing remarks, the Applicant believes all of the claims currently pending in the Application to be in a condition for allowance. The Applicant, therefore, respectfully requests that the Examiner withdraw all rejections and issue a Notice of Allowance for all pending claims.

The Applicant requests a telephonic interview if the Examiner has any questions or requires any additional information that would further or expedite the prosecution of the Application.

Respectfully submitted,



By Sidney L. Weatherford  
Registration No. 45,602

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Ericsson Inc.  
6300 Legacy Drive, M/S EVR 1-C-11  
Plano, Texas 75024

(972) 583-8656  
sidney.weatherford@ericsson.com